REMARKS

Claims 1-43, 45, 46, 48-74 are pending in this application, with claim 42 withdrawn from consideration.

Applicant thanks the Examiner for the allowance of claims 12, 23, 24, and 40, and for the indication of allowable subject matter in claims 12, 23, and 24.

Applicant has canceled withdrawn claim 42, as required by the Examiner.

Claims 5 and 7 are objected to because of informalities. The amendments to the claims are believed to overcome these informalities. Reconsideration and withdrawal of this objection are respectfully requested.

Claims 1-11, 53, 54, 56, 62, 68, and 74 stand rejected under 35 U.S.C. 112, second paragraph. The amendments to the claims are believed to overcome this rejection. Applicants therefore respectfully request reconsideration and withdrawal of this rejection.

Claims 43, 45, 60, 66, and 72 stand rejected under 35 U.S.C. 112, first paragraph. The Examiner states that the specification does not explicitly describe the feature "each kernel …is capable of running simultaneously with any of the plurality of kernels." Applicant has removed this language from the claims and therefore requests withdrawal of this rejection.

Claims 13-22, 25-29, 35-39, 41, 43, 45, 46, 48-52, 55, 57-61, 63-67, and 69-74 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit et al. (U.S. Patent No. 5,999,990) in view of Ohtsuki (U.S. Patent No. 5,101,346). Claims 1-11, 30-34, 53, 54, 56, 62, and 68 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharrit in view of Ohtsuki and further in view of Savitzky et al. U.S. Patent No. 5,732,261).

Independent claim 1 recites "wherein said virtual machine interface operates independent from said plurality of hardware kernels," independent claim 13 recites "wherein said virtual machine and said virtual machine interface operate independent from said plurality of hardware kernels," independent claim 29 recites "wherein said virtual machine interface operates independent from said plurality of kernels," independent claim 37 recites "wherein said computer program mechanism operates independent from said plurality of kernels," independent claim 43 recites "a virtual machine interface, which operates independent from the wireless network communication apparatus [having a plurality of kernels]," independent claim 46 recites "a virtual machine module, which operates independent from the reconfigurable wireless network communication apparatus [having a plurality of kernels," and independent claim 74 recites "wherein said virtual machine interface operates independent from said plurality of hardware kernels."

A Virtual Machine Interface (VMI) is a software interface definition and implementation including a set of functions and data structures for parameter exchange to the associated hardware implementation of data processing or control functionality.

The claimed virtual machine is a software representation of the associated hardware apparatus with plurality of hardware kernels. The claimed virtual machine does not perform the same data processing functions as the hardware. It is only used to control and configure the associated hardware. VMI is the software interface used with this virtual machine.

Ohtsuki does not disclose a VMI. Rather, Ohtsuki discloses realizing a virtual machine on one or more real instruction processors. This virtual machine can be programmed just as a real

instruction processor, and is used as a processor. Ohtsuki's virtual machine is not for controlling and configuring the associated instruction processors, rather, it runs within them.

Thus, Ohtsuki's virtual machine runs in the instruction processors, and does not operate independent from associates hardware kernels, as required by the claimed invention.

Thus claims 1-11, 13-22, 25-39, 41, 43, 45, 46, and 48-68 are patentable over the applied references for at least these reasons.

In view of the above, Applicant believes the pending application is in condition for allowance.

In the event a fee is required or if any additional fee during the prosecution of this application is not paid, the Patent Office is authorized to charge the underpayment to Deposit Account No. 50-2215.

Dated: March 2, 2009   Respectfully submitted,

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